Compact Hand Held Radiation Detector

GEORADIS

RT-20 series

The RT-20 HANDY SCINT is a robust and compact hand held radiation detector specifically designed to quickly scan for radioactive materials. The ruggedness, small size and light weight of the RT-20, combined with its sensitive Gamma Ray scintillation detector makes it a versatile instrument for quick measurements in a large variety of applications.

- **Compact and Rugged design**
- **Easy to Use**
- **One Button Operation**
- **Eyes free Scanning**
- **2-year Warranty**

The RT-20 is an ideal instrument for quickly and simply surveying people, surfaces, packages or materials, in various combinations and in most situations. An alternative model with extensible telescopic arm and carrying strap, the RT-21T is available for ease of operation when tall objects are to be scanned.

The small size and light weight of the RT-20 together with the balanced handle equipped with a single push button, allows for easy one handed operation. A loud variable pitch audio tone, proportional to the intensity of the gamma radiation detected, provides eyes free searching.

The RT-20 features a large numeric LCD display showing either actual counts per second (cps) or dose rate (based on equivalence to Cs 137). For working in potentially dangerous situations, a maximum allowed dose rate or cps rate can be set to trigger an acoustic alarm warning.

The RT-20 HANDY SCINT has an IP65 dust and water resistant, lightweight aluminium casing with a detachable plastic boot for additional protection under harsh environments. The unit is powered by a battery pack containing four AA type batteries (Alkaline or Rechargeable). A fully automatic charger is integrated in the unit for use with rechargeable (NiCd or NiMH) batteries.

Applications

- ***Hospitals***
- ***Nuclear facilities***
- ***Waste Recycling and Incineration plants***
- ***Scrap metal recycling***
- ***Research laboratories***
- ***Production facilities***
- ***Geophysical survey***
- ***Security and surveillance operations***

Nederland
T +31 (0)24 648 86 88

België / Belgique
T +32 (0)3 309 32 09

info@gotoPEO.com

www.gotoPEO.com

Technical data

Detector
NaI(Tl), dimensions 30 x 30 mm (1,18" x 1,18"),
21 cm3 (1.3 in^3) integrated with bi-alkali PMT

Sensitivity
60 cps/1MBq for 137-Cs in the free space at 1 m distance

Energy range
30 keV - 3,5 MeV

Acoustic indication
miniature piezo speaker, audio frequency is proportional to measured count rate

Display
reflective 7 segment LCD, 4 1/2 digits, maximum 19999

Operation
single push button, thumb activated; ON/OFF function and background reset

Power supply
4 "AA" type battery, rechargeable (NiCd or NiMH) lifetime typ. 50 hours of operation at 20 °C for 2,0 Ah NiMH *or* non-rechargeable (alkaline) 80 hours of operation at 20 °C for alkaline battery 2,8 Ah. Automatic charger is built into the unit.

Environmental
Working temperature range: -10 °C - +50 °C
Storage temperature range: -20 °C - +60 °C
IP65 Water and Dust resistant

Dimensions
l x w x h: 220mm x 65mm x 145mm
Weight: 1.3 kg including the batteries

Warranty
2-Year Warranty

RT-20 Standard Delivery
RT-20 with protection boot.
Battery Pack with 4 AA-type Batteries.
Mains adaptor.
User manual.
Standard case for storage and transportation

RT-20T Standard Delivery
RT-20T with telescopic detector extension, protection boot and carrying strap.
Battery Pack with 4 AA-type Batteries.
Mains adaptor.
User manual.
Customized case for storage and transportation.

PROPERTIES

- *Sensitive NaI/Tl crystal*
- *Numeric LCD display maximum 19999*
- *Counts per second (cps) or Dose rate*
- *Sampling rate 4 per second*
- *Adjustable audio threshold*
- *Automatic warning of high dose rate*
- *Plastic protection boot*
- *Water and Dust resistant (IP65)*
- *Lightweight and well balanced 1,3 kg (2,4 lb)*
- *Fully automatic battery charger integrated in unit*
- *Customized case for storage and transportation*

Specifications are subject to change without notice

Handheld Radiation Detector

GEORADIS

RT-21 and RT-22 series

The RT-21 and RT-22 SUPER SCINT are a robust and compact series of hand held radiation detectors specifically designed to quickly scan for radioactive materials. Models with NaI or BGO scintillator are available as well as models with an extensible telescopic arm for ease of operation when tall objects are to be scanned.

Quickly determining the location of lost radioactive sources in the environment or scrap, monitoring of waste in hospitals or waste incinerators, scanning people or baggage to disclose illicit trafficking of nuclear materials; all are typical applications for the RT-21 and RT-22 series.

- **Highest Sensitivity**
- **Rugged, Lightweight and Compact design**
- **Graphical Display**
- **One Button Operation**
- **USB connection**
- **Bluetooth (RT-22 only)**
- **Weather protected**
- **2-Year Warranty**

The graphical display shows a histogram of the last 100 measurements to quickly determine the location of the radiation. The RT-21 and RT-22 series have a balanced handle equipped with a single push button, that allows for easy one handed operation.

A loud variable pitch audio tone, proportional to the intensity of the gamma radiation detected, provides eyes free searching. Both trip level for the audio as well as a threshold for danger alarms can be set by using GeoView software package.

Georadis is acknowledged as a foremost producer of innovative radiation detection products, devices and solutions. The built-in Bluetooth connectivity for the RT-22 series allows a GPS location to be integrated with the measurement. Bluetooth also provides access for wireless headsets for audio feedback in high noise areas.

The ruggedness, small size and light weight of these instruments, combined with a choice of very sensitive Gamma Ray scintillation detectors makes the RT-21 and RT-22 series very versatile for quick measurements in a large variety of applications.

Applications

- ***Waste Recycling and Incineration plants***
- ***Scrap metal recycling***
- ***Security and surveillance operations***
- ***Hospitals***
- ***Customs and Border protection***
- ***Nuclear facilities***
- ***Research laboratories***
- ***Production facilities***

Nederland
T +31 (0)24 648 86 88

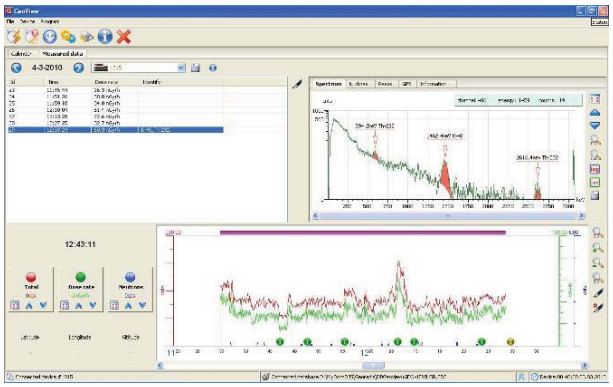
België / Belgique
T +32 (0)3 309 32 09

info@gotoPEO.com

www.gotoPEO.com

GEORADIS

GeoView Software



To support the administrational and recording requirements for many applications Georadis introduces the software package GeoView. Making a report has never been easier using this universal user interface.

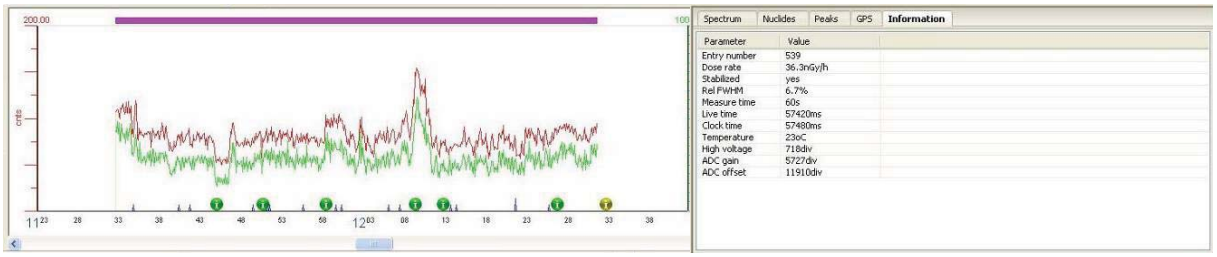
Depending on the instrument, GeoView provides detailed views on collected data such as survey data in both cps and dose rate. User comments can be added to the measured data by using the built-in active notepad. All information is easily exported and then used in external software packages like Google Earth to plot GPS information.

- **Survey data**
- **Calendar based**
- **Export data to e.g. Google Earth**
- **Instrument administration**
- **Add comments**
- **Maintenance support**

The universal connectivity of GeoView allows the download of stored information from any of the connected Georadis instruments via Bluetooth or USB. The SQL oriented database contains all downloaded information from all units in a structured manner and archiving of data was never easier. Multiple users are able to view the information stored in a shared database. In addition GeoView administrates and stores the instrument settings for each unit connected, making it easy to manage multiple instruments.

GeoView also provides for maintenance assistance on the Georadis instruments and uploads instrument details and parameters to Georadis Service Centre via Internet. Georadis experts analyse amongst others the instrument LOGs to check instrument behaviour. Modified settings are then send via Internet to GeoView and the user can then upload these parameters to the instrument.

GeoView is a versatile software package that is installed under Linux or Microsoft Windows operating system.



Nederland
T +31 (0)24 648 86 88

België / Belgique
T +32 (0)3 309 32 09

info@gotoPEO.com

www.gotoPEO.com

GEORADIS

RT-21 and RT-22 Product Range

RT-21 and RT-21B	**RT-21T and RT-21BT**	**RT-22 and RT-22B**	**RT-22T and RT-22BT**

The RT-21 and 22 series have an IP65 dust- and waterproof, lightweight cast aluminium housing and a detachable plastic boot with shoulder strap for additional protection under harsh environments. The units are powered by a handy quick change battery pack containing four AA type batteries (Alkaline or Rechargeable). A fully automatic charger is integrated in the unit for use with rechargeable (NiCd or NiMH) batteries.

GEORADIS **Standard Comparison Table**		RT-21	RT-21T	RT-21B	RT-21BT	RT-22	RT-22T	RT-22B	RT-22BT
Display	Numerical								
	Graphical	●	●	●	●	●	●	●	●
Data acquisition	Gross Counting	●	●	●	●	●	●	●	●
	Spectroscopy								
Connectivity	USB	●	●	●	●	●	●	●	●
	Bluetooth					●	●	●	●
Memory	Medium (4Mb)					●	●	●	●
	Large (1Gb)								
Software	GeoView Package					●	●	●	●
	Isotope Identification								
	Assay mode								
Detector type	NaI, 30 x 30mm								
	NaI, 51 x 51mm	●	●			●	●		
	BGO, 51 x 51mm			●	●			●	●
	GM tube								
	Neutron Detector								
Mechanical	Handheld	●		●		●		●	
	Telescopic arm		●		●		●		●

Technical data

Detectors
NaI/(Tl), Φ51 x 51 mm (2" x 2"), 104 cm^3 (6.3 in^3), RT-21, RT-21T, RT-22 and RT-22T.
BGO, Φ51 x 51 mm (2" x 2"), 104 cm^3 (6.3 in^3), RT-21B, RT-21BT, RT-22B and RT-22BT.

Scintillometer
Sampling period 20/second

Gamma ray sensitivity free in air at 1m
(for RT-21, RT-21T, RT-22 and RT-22T only)
75 cps/1MBq for Am-241
160 cps/1MBq for Cs-137
270 cps/1MBq for Co-60

Display
Graphic LCD 128x64 pixels 28 x 60 mm
Automatic Backlight

Data Storage and Transfer
(RT-22 series only)
4 MByte FLASH
Bluetooth 1.2 Class 2
GPS Support NMEA 0183
USB 2.0 (all models RT-21 and RT-22)

Environmental
IP-65 Water and Dust resistant
Operating temperature range -10°C to +50°C
RFI/EMF Shielding complies with FCC(47 CFR part 15) for Class A CE Certification

Size (LxWxH) and Weight (incl batteries)
RT-21 & 22: 260x81x96 mm^3, 2 kg (10.2"x3.2"x3.8", 4.4lb)
RT-21B & 22B: 260x81x96 mm^3, 2,2 kg (10.2"x3.2"x3.8", 4.8lb)
RT-21T & 22T: 1225x85x135 mm^3, 3,5 kg (48.2"x3.3"x5.3", 7.7lb)
RT-21BT & 22BT: 1225x85x135 mm^3, 3,8 kg (48.2"x3.3"x5.3", 8.4lb)

Package
Aluminium outer case (RT-21, RT-21B, RT-22 and RT-22B)
Special mould plastic case (RT-21T, RT-21BT, RT-22T and RT-22BT)
AC Net power adaptor
Spare battery cartridge
User guide
GeoView software (RT-22 series only)

Specifications are subject to change without notice

Nederland
T +31 (0)24 648 86 88

België / Belgique
T +32 (0)3 309 32 09

info@gotoPEO.com

www.gotoPEO.com

Handheld Isotope Identification Instrument

GEORADIS

RT-30 series

The RT-30 SUPER IDENT series introduces a new generation of compact handheld isotope identification instruments. The RT-30 integrates a radiation survey meter, dose meter and radionuclide identification device in a weather protected, lightweight and easy to use instrument.

The large volume scintillation detector provides high sensitivity paired with excellent resolution for fast and reliable isotope identification. Together with optional GM tube and Neutron detector, the RT-30 series is the right answer to all scanning applications under most difficult conditions.

- Highest Sensitivity
- Fast and Reliable Isotope Identification
- Lightweight, Rugged and Compact design
- One Button Operation
- Automatic Stabilisation on Natural background
- USB and Bluetooth connections
- Weather protected
- 2-Year Warranty

Quickly determining the location of lost radioactive sources in the environment or scrap, monitoring of waste in hospitals or waste incinerators, scanning people or baggage to disclose illicit trafficking of nuclear materials; all are typical applications for the RT-30 series.

Georadis is acknowledged as a foremost producer of innovative radiation detection products, devices and solutions. Highly sophisticated and optimized algorithms are part of the state-of-the-art design of the RT-30.

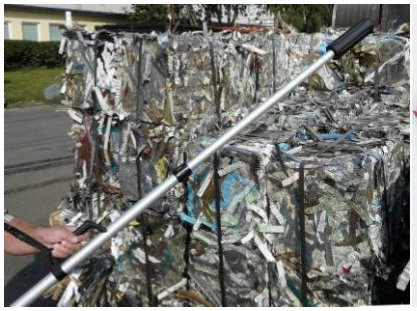
Built-in Bluetooth connectivity allows for integrated GPS location with the measurement. It also provides access for wireless headsets for audio feedback in high noise areas.

The versatile GeoView software package provides all necessary data download onto PC, data presentation and evaluation for multiple instruments in an orderly way.

Georadis is committed to high standards in quality and design of their instruments, this is matched with a standard 2 year warranty on the RT-30 series.

Applications

- *Security and surveillance operations*
- *Customs and Border protection*
- *Hospitals*
- *Nuclear facilities*
- *Waste Recycling and Incineration plants*
- *Scrap metal recycling*
- *Research laboratories*
- *Production facilities*



Nederland
T +31 (0)24 648 86 88

België / Belgique
T +32 (0)3 309 32 09

info@gotoPEO.com

www.gotoPEO.com

GEORADIS

Easy Operation and Reliable Isotope Identification

Survey	Identification	Analysis Results

The RT-30 uses an advanced method of Automatic Stabilisation on Natural Background Radiation throughout its operation. This unique method eliminates the need for an additional radioactive check source.

In *Survey* mode, the RT-30 provides excellent feedback to the user about count rate (in cps) in large characters, dose and dose rate in selectable units, battery status and a graphical histogram over last 80 seconds. Additional indicators are showing GPS activation, Bluetooth and Data recording.

- Survey Meter
- Dose Rate Meter
- 1024 Ch Spectrometer
- Highly Sophisticated Algorithms
- Automatic Stabilisation on Natural background

Activating the *Identification* mode starts a predefined acquisition of a full gamma ray spectrum. The RT-30 measures the radiation level and instructs the user to move closer, move away or keep in position. A moving bar graph indicates the progress of the measurement.

On completion of spectrum acquisition, an automatic analysis is performed using highly sophisticated algorithms. The *Analysis Results* are listed in descending order to the nuclide intensities, indicated with small histograms. Acquisition can be easily extended for improved analysis or sensitivity by the user. The RT-30 contains a comprehensive Isotope Library that can be modified by experienced users to fit a specific application.

The RT-30 has 1Gb internal memory available to store spectra, analysis results and GPS location, such huge memory provides practically unlimited data storage. A recording mode is available to store each second the count rate of all detectors in the instrument, recording continues even during spectrum acquisition.

Nederland
T +31 (0)24 648 86 88

België / Belgique
T +32 (0)3 309 32 09

info@gotoPEO.com

www.gotoPEO.com

RT-30 Product Range

RT-30

RT-30G

RT-30T

RT-30N

The RT-30 series has an IP65 dust-and water resistant, lightweight aluminium cast housing and a detachable plastic boot with shoulder strap for additional protection under harsh environments. The unit is powered by a handy quick change battery pack containing four AA type batteries (Alkaline or Rechargeable). A fully automatic charger is integrated in the unit for use with rechargeable (NiCd or NiMH) batteries.

GEORADIS Standard Comparison Table		RT-30	RT-30T	RT-30G	RT-30N
Display	Numerical				
	Graphical	•	•	•	•
Data acquisition	Gross Counting	•	•	•	•
	Spectroscopy	•	•	•	•
Connectivity	USB	•	•	•	•
	Bluetooth	•	•	•	•
Memory	Medium (4Mb)				
	Large (1Gb)	•	•	•	•
Software	GeoView Package	•	•	•	•
	Isotope Identification	•	•	•	•
	Assay mode				
Detector type	NaI, 30 x 30mm				
	NaI, 51 x 51mm	•	•	•	•
	BGO, 51 x 51mm				
	GM tube			•	•
	Neutron Detector				•
Mechanical	Handheld	•		•	•
	Telescopic arm		•		

Common Features

- Large 2” scintillator
- Single button operation
- Automatic Stabilisation on Natural background
- Selectable audio alarm threshold
- Sophisticated Nuclide Identification procedures
- Bluetooth communication
- Connectivity with GPS
- 1Gb internal memory
- Lightweight, robust design
- Optional Telescopic arm, Integrated GM tube or Neutron Detector
- LCD Graphic display
- Simple graphical user interface
- Removable protecting boot with shoulder strap

Nederland
T +31 (0)24 648 86 88

België / Belgique
T +32 (0)3 309 32 09

info@gotoPEO.com

www.gotoPEO.com

Technical data

Detectors
NaI/(Tl), Φ51 x 51 mm (2" x 2"), 104 cm^3 (6.3 in^3), all models
Energy compensated GM tube with RT-30G and RT-30N
He-3 Neutron tube with RT-30N

Spectrometer
1024 channel MCA, bipolar pulse shaping
Energy range 20keV - 3,0 MeV

Scintilometer
Sampling period 20/second

Gamma ray sensitivity at 1m
160 cps/1MBq for Cs-137
75 cps/1MBq for Am-241
270 cps/1MBq for Co-60

Dose meter
Energy corrected dose rate for NaI detector
Extended range with GM tube 10 mSv/h (1R/hr)

Display
Graphic LCD 128x64 pixels 28 x 60 mm
Automatic Backlight

Acoustic indication
miniature piezo speaker, audio frequency is proportional to measured count rate

Data Storage and Transfer
1 Gb memory for spectra, search profiles and dose
USB 2.0 and Bluetooth 1.2 Class 2

GPS Support
NMEA 0183

Environmental
IP-65 Dust and Water resistant
Operating temperature range -10°C to +50°C
RFI/EMF Shielding complies with FCC(47 CFR part 15) for
Class A CE Certification

Size and weight
LxWxH 260 mm x 81 mm x 96 mm (10.2" x 3.2" x 3.8")
Weight 2 kg (4.4 lb) including batteries

Package
RT-30 instrument
Protective boot with Carrying Strap
USB Cable
AC Net power adaptor
GeoView Software
Spare battery cartridge
User guide
Rugged Pelican storage and transportation case

Specifications are subject to change without notice

Nederland
T +31 (0)24 648 86 88

België / Belgique
T +32 (0)3 309 32 09

info@gotoPEO.com

www.gotoPEO.com

Laboratory Gamma Spectrometer

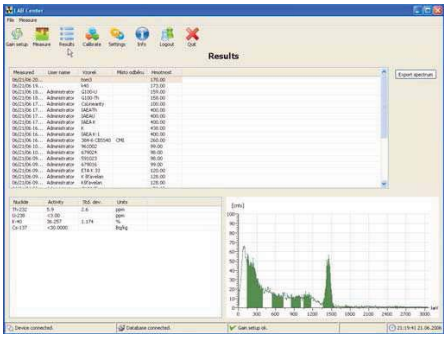
GEORADIS

RT-50

The RT-50 is a state of the art gamma spectrum analyzer to monitor and detect the presence of radiation in metals, metals by-products, geological samples, construction materials, environmental commodities, food and many other materials. Floor standing and easy to operate, the RT-50 spectrum analyser is an indispensable part of any analytical laboratory, it rapidly detects and accurately measures extremely low levels of radioactive contamination.

In steel samples the final accuracy of the measured contamination is as low as 0,02 Bq/g using a measurement time of only 5 minutes.

New, sophisticated evaluation techniques allow a high sensitivity precision measurement and a complete analysis in less than 5 minutes. A real time graphic displays the spectrum as it is accumulated. Analysis data is viewed on screen, printed (as required), and automatically archived together with all sample information to provide a complete log. All Data is accessible for transfer to an external network as needed.



The RT-50 system assembly comprises three distinct components;

- The multichannel gamma spectrum analyser (MCA) in a high density shielding floor standing cabinet.
- The LabCenter software package.
- A set of calibration standards.

The MCA is a highly reliable self contained 1024 channel pulse amplitude analyser. Internal digital processing performs real time energy linearization and provides a fully linear spectrum. The MCA is controlled by the LabCenter software.

APPLICATIONS

- **Fast monitoring of radioactive contamination in metal, slag and dust**
  Applicable in steel, scrap and other metal industry
- **Measurement of natural radioisotopes concentration**
  Applicable in geology and geophysics
- **Measurement of radioactive contamination**
  Applicable in food and food processing industry

LabCenter is a multiplatform (Windows, Linux) software package which integrates calibration, sample measurement and results archiving. It provides easy database browsing with the possibility of re-evaluation of spectra with different standards. An open source SQL database facilitates flexible and rapid integration into user defined database structures. LabCenter simplifies user input of sample descriptors and output protocols.

Different evaluation methods from simple total count to background count comparisons or a complex multi-component analysis can be chosen by the user. With the RT-50 you get high quality data and reliability having completely analysed your sample right in your laboratory.

Nederland
T +31 (0)24 648 86 88

België / Belgique
T +32 (0)3 309 32 09

info@gotoPEO.com

www.gotoPEO.com

GEORADIS

Technical data

Detector
NaI(Tl) volume 0.35 l, 76 x 76 mm (3”x3”), with bi-alkali PMT
Resolution better then 7.5% FWHM at 662 keV.

High voltage
Supply range 500 – 1000 V digitally controlled

Output
Positive impulses, rising time better then 0.5 µs
Amplitude linear range max +2.5 V
Bipolar Shaping, time constant 1 µs
Coarse gain HV controlled
Fine gain +/- 3 % in 1000 gain steps

Spectrum stabilization
Two point – offset and gain correction, 662 keV typ. at ch. 220
Precision +/- 0.1 ch.

ADC
Approximation, double buffered, high speed and high linearity
Conversion time 1.5 µs
1024 channels down sampled from 65535
Digitally adjustable ADC zero +/- 80 mV
Digitally adjustable LLD range from 2nd – 30th channel
Automatic Dead time correction, precision better 0.25%

Nonlinearity
Integral max 0.1% of full scale within 95% of range
Differential max 3% of full scale within 95% of range

Communication interface
USB

Reference source
137Cs - 9 kBq (0.25 µCi)

Power consumption
Power over USB, max 100 mA

Shielding
Steel, minimal thickness 85 mm, optionally Lead

Environmental
Operating temperature range 0°C to +40°C
Storage temperature range -20°C to +70°C

Size and weight
HxWxD 770 mm x 360 mm x 620 mm
Weight 410 kg (580 kg for Lead shield)

Software requirements
Operating System Windows 2K, XP, Vista,
Windows 7 or Linux with Kernel 2.6
Firebird SQL 2.0

FEATURES

- **Sensitivity** *Accurately measure the radioactivity in a given sample utilising a high sensitivity NaI(Tl) scintillator. Measurement sensitivity 0.02 Bq/g*
- **Multichannel Analyser** *Self contained 1024 channel pulse amplitude analyser*
- **Speed** *Full sample analysis in only 5 mins*
- **Ease of use** *With little training the operator can use the graphic menu driven interface.*
- **Calibration** *Optimised calibration eliminates long calibration times.*
- **Integration** *All data stored in multiplatform open source SQL database to allow easy integration into customer’s own systems*
- **Analysis Data** *May be viewed, printed, archived or transferred to a network*

Specifications are subject to change without notice

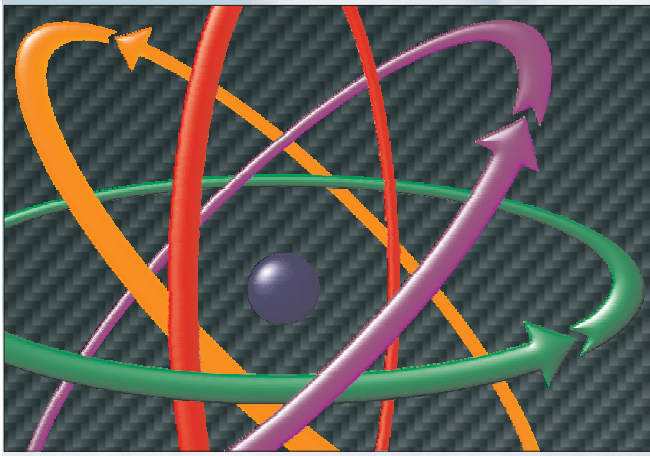
GEORADIS

Nederland
T +31 (0)24 648 86 88

België / Belgique
T +32 (0)3 309 32 09

info@gotoPEO.com

www.gotoPEO.com



Locate radioactive mineralization easier and eyes free!

RS-125 Super-SPEC

Handheld Gamma-Ray Spectrometer

Providing Search, Assay and Scan Modes of Operation

RS-125 - Ideal For Field Exploration

The RS-125 Spectrometer is the state-of-the art in portable hand-held radiation survey devices for the geophysical industry. It offers an integrated design with a large detector for survey or search, direct Assay readout, a Scan mode and data storage. It offers weather protection with ease of use. In addition, it has **Bluetooth (BT) connectivity** providing for wireless connection to a Bluetooth equipped external GPS receiver, earphone or computer.

The spectrometer is auto-stabilizing on the naturally occurring (K, U, & Th) radioactivity and does not require any test sources.

Features include

- **High Sensitivity with large 2.0 x 2.0 NaI crystal 103 cm^3 (6.3 in^3)**
- **Lightweight & rugged 4.4 lb (2 kg) including batteries**
- **Easy to use, single button**
  - survey, scan, and assay modes of operation
- **Assay mode readout in %K, ppm of U & Th**
- **Auto-stabilizing on naturally occurring radio elements**
- **5-digit LCD display with high count rate - 65,535 cps**
  - scrolling histogram graph display of last 100 readings
- **Fast audio output with adjustable audio threshold set point**
  - BT earphone audio support for noisy area surveying
- **Bluetooth and USB equipped with external GPS integrated into data stream via BT**
- **Special rugged design to withstand typical field usage, full IP66 weatherproofing with protection against streaming water and fully dust protected**
- **Low power (4 x AA batteries) - typical 8-12 hour battery life at 20° C**
- **No radioactive sources required for proper operation**

RADIATION SOLUTIONS INC

Nederland
T +31 (0)24 648 86 88

België / Belgique
T +32 (0)3 309 32 09

info@gotoPEO.com

www.gotoPEO.com

RS-125 Super-SPEC

Handheld Gamma-Ray Spectrometer

Providing search, assay and scan modes of operation

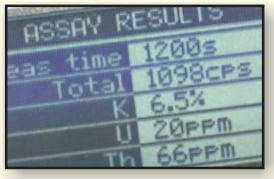
The RS-125 allows the user to produce profiles of the total count data from either the Search, Scan or Assay modes. The data can be from a continuous drill core or from a survey with GPS positioning data.

Survey and Scan Modes

Total Count readout at a 1x / sec rate in the Survey Mode or variable (1 - 20 sec.) in the Scan Mode. When used with a GPS receiver, data can be stored and profiles produced. Ideal for both area survey and drill core scanning.

Assay Mode

The assay mode provides the concentrations of K, U and Th as shown in the display below. The user can select the desired sample time.



RS-Analyst Software

The RS-125 is provided with utility software to download the data that is stored in memory. All data in memory is output via Bluetooth or USB to the RS-Analyst program on a PC. This may take the form of 1024 channel spectra, data or Scan data + GPS. The program also gives graphical and numeric views of the data. The data can also be re-exported as a text file for further processing.

Standard Accessories

- RS-125 Scintillometer with carrying handle
- Removable protective boot with shoulder strap
- Battery cartridge with 4 x AA rechargeable batteries & charger
- Spare battery holder cartridge
- RS-Analyst utility software
- USB cable
- User guide
- Delivered in hard case with foam insert

Temperature Range

- -20°C to +50°C

Control

- Single one button, Thumb activated

- **Alarm**
- Audio via miniature speaker
- Variable audio threshold set point
- Audio proportional to count rate

Weight

- 4.4 lb (2 kg) including batteries

Size & Package Style

- 10.2" x 3.2" x 3.8" (259 mm x 81 mm x 96 mm)
- 1 mm aluminum outer case
- In a flashlight configuration with side support strap, wrist strap and optional detachable handle

Memory

- 2MB
- Memory can be partitioned for desired storage
  Example
  Scan Total Count only - 94,000 readings
  Scan + Assay - more than 1000 readings
  Assay only - more than 400 readings
  (plus full spectrum)

Data Input / Output

(Using supplied RS-Analyst software)

- USB
- Bluetooth (BT)
- GPS link via BT

Display

- 128 x 64 pixels, 1 1/8" x 2 3/8"
- Graphic LCD display with white backlight and automatic dimming

Readout

- Search Mode: Counts in CPS from 0 to 65,535 and Histogram chart
- Assay Mode: Display in %K, ppm of U & Th (ROIs per IAEA)

Energy Response

- 30 keV 3000 keV

Internal Sampling

- 20 / second

Batteries

- Internal battery pack module (4xAA) easily replaceable
- Rechargeable or alkaline
- Life: 8 + hours at 20°C

Specifications subject to change without notice #01/08

RADIATION SOLUTIONS INC

Radiation Solutions Inc. is a Canadian company specializing in nuclear instrumentation for the detection, measurement and analysis of low level ionizing radiation from both naturally occurring or man made sources.

RSI's focus is the design and manufacture of airborne and mobile systems using advanced DSP (Digital Signal Processing) technology. This technology provides a level of quality previously only attainable in laboratory equipment.

RSI's philosophy is to work as closely as possible with customers in all aspects of the product life cycle including; product requirement, application, training, support and product improvement. It is this philosophy that will enable RSI to supply industry leading software techniques and hardware components that not only meet, but exceed the customer's requirements.

Nederland
T +31 (0)24 648 86 88

België / Belgique
T +32 (0)3 309 32 09

info@gotoPEO.com

www.gotoPEO.com